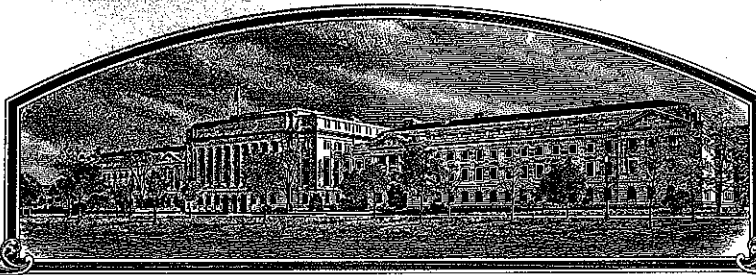


No.

200600268



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Inno seeds, B. H.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'PR 1404'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this sixth day of February, in the year two thousand and seven.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2428).

1. NAME OF OWNER Innoseeds BV		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME PR 1404	3. VARIETY NAME PR 1404
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Vijfhoefelaan 4 5250 GA Vlijmen, Netherlands		5. TELEPHONE (include area code) 31-73-5188603	FOR OFFICIAL USE ONLY PVPO NUMBER 200600268 FILING DATE August 16, 2006
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) corporation		6. FAX (include area code) 31-73-5188600	
8. IF INCORPORATED, GIVE STATE OF INCORPORATION Vlijmen		9. DATE OF INCORPORATION 01-01-1993	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Jan Meerburg Innoseeds BV Vlijmen, Netherlands			FILING AND EXAMINATION FEES: \$ 4382.00 DATE August 16, 2006 CERTIFICATION FEE: \$ 768.00 DATE 12/04/2006
11. TELEPHONE (include area code) 31-73-5188603	12. FAX (include area code) 31-73-5188600	13. E-MAIL jan.meerburg@innoseeds.nl	
14. CROP KIND (Common Name) Common wheat	16. FAMILY NAME (Botanical)	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP triticum aestivum L	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input type="checkbox"/> Exhibit F. Declaration Regarding Deposit g. <input type="checkbox"/> Voucher Sample (3,000 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) h. <input type="checkbox"/> Filing and Examination Fee (\$4,382), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (If "no", go to item 23) 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED 22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER		SIGNATURE OF OWNER	
NAME (Please print or type)		NAME (Please print or type)	
CAPACITY OR TITLE		CAPACITY OR TITLE	
DATE		DATE	
		8 August 2006	
		Variety Registration	

(See reverse for instructions and information collection burden statement)

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). **NEW:** With the application for a seed reproduced variety or by direct deposit soon after filing the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initiated and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office
 Telephone: (301) 504-5518 FAX: (301) 504-5291
 General E-mail: PVPOMail@usda.gov
 Homepage: <http://www.ams.usda.gov/science/pvpo/PVPindex.htm>

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 - (2) the details of subsequent stages of selection and multiplication;
 - (3) evidence of uniformity and stability; and
 - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed) the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 975 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

first seed sales as of 20 September 2005.

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, or national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W.; Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

*PR 1404***19.a. Exhibit A. Origin and Breeding History**

PR1404 was derived from the single cross of Melchior and Emu, made in 1984 by Cebeco Seeds, BV, The Netherlands. A modified bulk breeding method was used to advance progeny of this cross through the F₅ generation. Individual spikes were selected, threshed and planted as F₆ rows. One F₆ uniform, non-segregating row was harvested in bulk and carried forward through additional generations of evaluation as an experimental line, Cebeco 1404. This line has now been named PR1404.

PR1404 was tested in Cebeco's private testing network from 1988 through 1992. WestBred, LLC has evaluated PR1404 as a silage or forage wheat in the Central Valley of California from 2000 through 2004 in replicated forage trials and seed increase fields. During these years of field trials, the only variants that have been noted are taller plants (8-15 cm) at a frequency of less than .2%, and awned plants at a frequency of less than .2%. Therefore, it can be said that PR1404 is both stable and uniform.

Cebeco Seeds, BV, supplied initial seed stocks of PR1404. Head rows of PR1404 were grown near Yuma, AZ, in 2002-2003. Bulking approximately 200 uniform head rows produced basic seed stock of PR1404. Five acres of PR1404 Breeder seed were planted near Yuma in the 2003-2004 crop season. A portion of the seed harvested from this increase was used to plant 15 production acres near Bozeman, MT, in 2004. Foundation seed from this increase was planted in the fall of 2004 near Yuma, AZ, to produce Registered seed of PR1404.

Registered seed was grown in Montana in 2003 from Cebeco seed stock. Certified seed from this Registered seed source was grown in California in 2003-2004 and in Montana in 2004.

New Foundation seed will be produced as required from the balance of the Arizona 2003-2004 Breeder seed. Additional Breeder seed will be produced from the balance of the 2002-2003 head-rowed seed. When these sources are exhausted or inadequate, another cycle of head-rowed, basic seed will be initiated.

Classes of certified seed will be: Breeder, Foundation, Registered, and Certified.

Origin and Breeding History of Cebeco 1404 (*Triticum aestivum* L.)**1. Genealogy**

Cebeco 1404 is selected out of the following crossing:

(Melchior * Emu) . Both Melchior and Emu have been registered in the European Union and were commercial available.

In 1985 a single plant was selected in the F3, followed by line selection and replicated yield trials.

The breeding process was carried out at our breeding station in Lelystad in the Center of the Netherlands. This breeding station is situated on 150 ha reclaimed land on heavy clay soil and is equipped with all the necessary facilities including lab facilities and greenhouses.

2. Breeding goals

The breeding goals were:

<u>Generation</u>	<u>Criteria for selection</u>
F4 – F9	Straw stiffness Plant length Resistance to Mildew, Yellow Rust, Brown rust, Septoria Yield

4

*PR 1404***19.b Exhibit B. Statement of Distinctness (September 2005 revision)**

In trials conducted in California and Montana from 2001 through 2004, PR1404 has been found to be most similar to the cultivar 'Triple IV', PVPO Number 200500022.

These two varieties can be clearly distinguished from each on the basis of a distinct morphological characteristic. 'PR 1404' has hollow stem internodes while 'Triple IV' has solid stem internodes.

The above comparison, along with the complete Objective Description, Exhibit C (Amended, September 2005), shows PR 1404 to be a novel cultivar of hard red spring wheat.

According to the Paperwork Reduction Act of 1996, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C
Amended

OBJECTIVE DESCRIPTION OF VARIETY
Wheat (*Triticum* spp.)

NAME OF APPLICANT (S) Cebeco Seeds, BV	TEMPORARY OR EXPERIMENTAL DESIGNATION Cebeco 1404	VARIETY NAME PR 1404
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country) Cebeco Seeds, BV Vijfhoevenlaan - P.O. Box 10000 5250 GAVLijmen, The Netherlands		FOR OFFICIAL USE ONLY PVPO NUMBER 200600268

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g., or) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: _____ . Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

- 1 = Common
2 = Durum
3 = Club
4 = Other (Specify) _____

2. VERNALIZATION:

- 1 = Spring
2 = Winter
3 = Other (Specify) _____

3. COLEOPTILE ANTHOCYANIN:

- 1 = Absent 2 = Present

4. JUVENILE PLANT GROWTH:

- 1 = Prostrate 2 = Semi-erect 3 = Erect

5. PLANT COLOR: (boot stage)

- 1 = Yellow-Green
2 = Green
3 = Blue-Green

6. FLAG LEAF: (boot stage)

- 1 = Erect 2 = Recurved
 1 = Not Twisted 2 = Twisted
 1 = Wax Absent 2 = Wax Present

7. EAR EMERGENCE:

- Number of Days (Average)
 Number of Days Earlier Than * None in trial
Same As * Dirkwin
 Number of Days Later Than * Triple IV
*Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

8. ANTHOR COLOR:

- 1 = Yellow 2 = Purple

9. PLANT HEIGHT: (from soil to top of head, excluding awns)

098

cm (Average)

06

cm Taller Than

Express *

Same As

Triple IV *

cm Shorter Than

None in trial *

10. STEM:

A. ANTHOCYANIN

1

1 = Absent

2 = Present

B. WAXY BLOOM

2

1 = Absent

2 = Present

C. HAIRINESS (last internode of rachis)

2

1 = Absent

2 = Present

D. INTERNODE

1

1 = Hollow

2 = Semi-solid

3 = Solid

4

Number of Nodes

E. PEDUNCLE

1

1 = Erect

2 = Recurved

3 = Semi-erect

32

cm Length

F. AURICLE

2

Anthocyanin:

1 = Absent

2 = Present

2

Hair:

1 = Absent

2 = Present

11. HEAD: (At Maturity)

A. DENSITY

1

1 = Lax

2 = Middense (Laxidense)

3 = Dense

B. SHAPE

2

1 = Tapering

2 = Strap

3 = Clavate

4 = Other (Specify) _____

C. CURVATURE

3

1 = Erect

2 = Inclined

3 = Recurved

D. AWNEDNESS

2

1 = Awnless

2 = Apically Awnletted

3 = Awnletted

4 = Awned

12. GLUMES: (At Maturity)

A. COLOR

1

1 = White

2 = Tan

3 = Other (Specify) _____

B. SHOULDER

3

1 = Wanting

2 = Oblique

3 = Rounded

4 = Square

5 = Elevated

6 = Apiculate

7 = Other (Specify) _____

C. SHOULDER WIDTH

2

1 = Narrow

2 = Medium

3 = Wide

D. BEAK

1

1 = Obtuse

2 = Acute

3 = Acuminate

E. BEAK WIDTH

2

1 = Narrow

2 = Medium

3 = Wide

F. GLUME LENGTH

2

1 = Short (ca. 7mm)

2 = Medium (ca. 8mm)

3 = Long (ca. 9mm)

G. WIDTH

3

1 = Narrow (ca. 3mm)

2 = Medium (ca. 3.5mm)

3 = ~~Long~~ (ca. 4mm) Wide

13. SEED:

A. SHAPE

- ☒ 3 1 = Ovate
2 = Oval
3 = Elliptical

B. CHEEK

- ☒ 1 1 = Rounded
2 = Angular

C. BRUSH

- ☒ 3 1 = Short
2 = Medium
3 = Long

- ☒ 1 1 = Not Collared
2 = Collared

D. CREASE

- ☒ 2 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

- ☒ 2 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

E. COLOR

- ☒ 3 1 = White
2 = Amber
3 = Red
4 = Other (Specify) _____

F. TEXTURE

- ☒ 1 1 = Hard
2 = Soft
3 = Other (Specify) _____

G. PHENOL REACTION (See Instructions)

- ☒ 3 1 = Ivory 4 = Dark Brown
2 = Fawn 5 = Black
3 = Light Brown

H. SEED WEIGHT

- ☒ 4 ☒ 4 g/1000 Seed (Whole number only)

I. GERM SIZE

- ☒ 2 1 = Small
2 = Midsize
3 = Large

14. DISEASE: PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

Not tested except where noted

(0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

☐ Stem Rust (*Puccinia graminis* f. sp. *tritici*)

☒ 2 Stripe Rust (*Puccinia striiformis*)

☐ Tan Spot (*Pyrenophora tritici-repentis*)

☐ Halo Spot (*Selenophoma donacis*)

☐ *Septoria nodorum* (Glume Blotch)

☐ *Septoria avenae* (Speckled Leaf Disease)

☒ 2 *Septoria tritici* (Speckled Leaf Blotch)

☐ Scab (*Fusarium* spp.)

☐ "Black Point" (Kernel Smudge)

☐ Barley Yellow Dwarf Virus (BYDV)

☐ Soilborne Mosaic Virus (SBMV)

☐ Wheat Yellow (Spindle Streak) Mosaic Virus

☐ Wheat Streak Mosaic Virus (WSMV)

☐ Other (Specify) _____

☐ Other (Specify) _____

☐ Other (Specify) _____

☒ 2 Leaf Rust (*Puccinia recondita* f. sp. *tritici*)

☐ Loose Smut (*Ustilago tritici*)

☐ Flag Smut (*Urocystis agropyri*)

☐ Common Bunt (*Tilletia tritici* or *T. laevis*)

☐ Dwarf Bunt (*Tilletia controversa*)

☐ Karnal Bunt (*Tilletia indica*)

☐ Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)

☐ "Snow Molds"

☐ Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)

☐ Rhizoctonia Root Rot (*Rhizoctonia solani*)

☐ Black Chaff (*Xanthomonas campestris* pv. *translucens*).

☐ Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)

☐ Other (Specify) _____

☐ Other (Specify) _____

☐ Other (Specify) _____

☐ Other (Specify) _____

15. INSECT: (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

Not tested

PLEASE SPECIFY BIOTYPE (where needed)

☐ Hessian Fly (*Mayetiola destructor*)

☐ Stem Sawfly (*Cephus* spp.)

☐ Cereal Leaf Beetle (*Oulema melanopa*)

☐ Other (Specify) _____

☐ Other (Specify) _____

☐ Other (Specify) _____

15. INSECT: (continued) 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

PLEASE SPECIFY BIOTYPE (Where Needed)

200600268

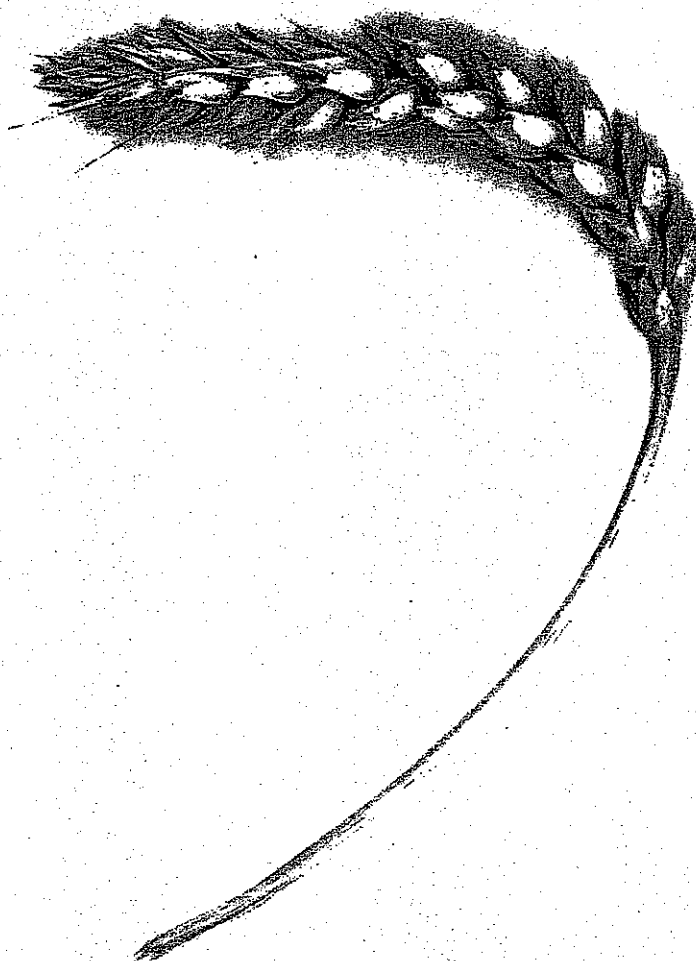
- ☐ Russian Aphid (*Diuraphis noxia*)
☐ Greenbug (*Schizaphis graminum*)
☐ Aphids

- ☐ Other (Specify) _____
☐ Other (Specify) _____
☐ Other (Specify) _____

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

PR1404

Mature spike



15. INSECT: (continued) 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

PLEASE SPECIFY BIOTYPE (Where Needed)

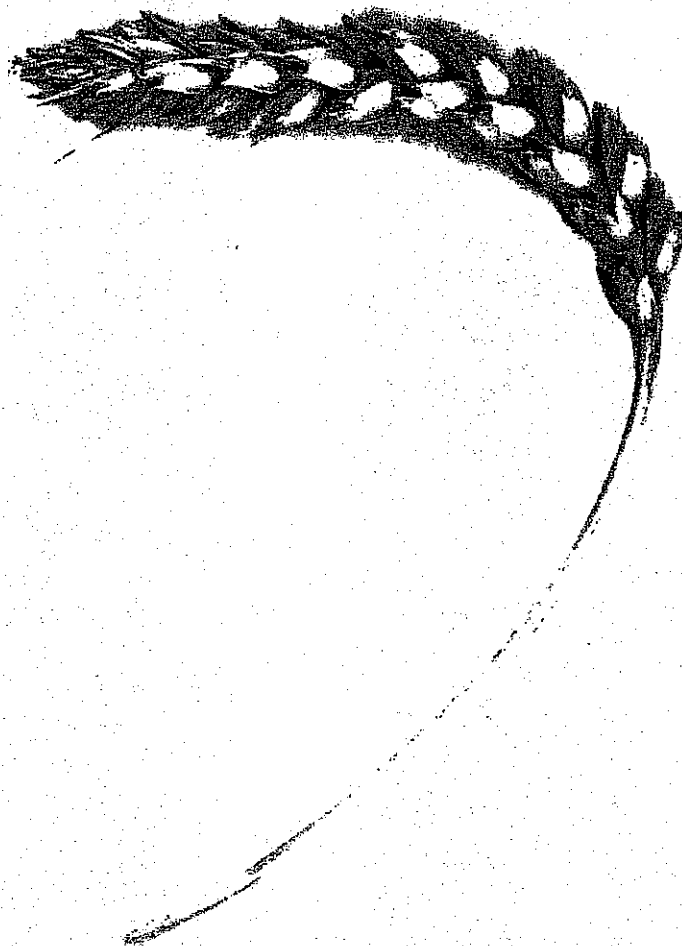
- ☐ Russian Aphid (*Diuraphis noxia*)
☐ Greenbug (*Schizaphis graminum*)
☐ Aphids

- ☐ Other (Specify) _____
☐ Other (Specify) _____
☐ Other (Specify) _____

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

PR1404

Mature spike

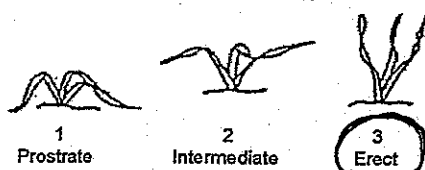
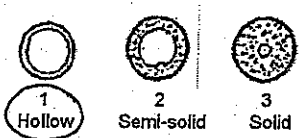
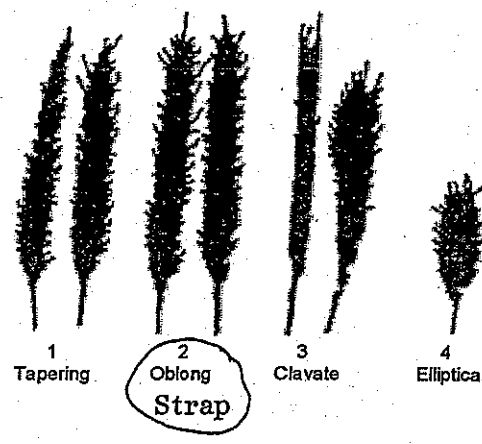

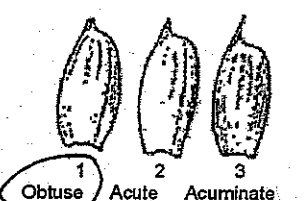
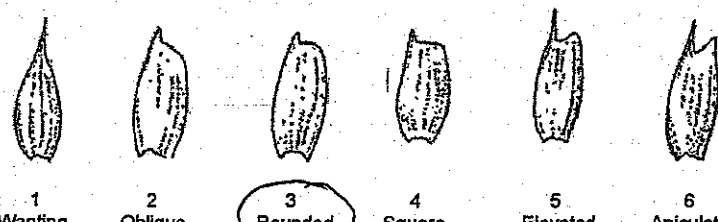
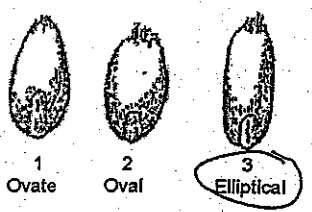
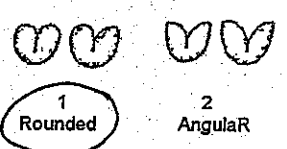
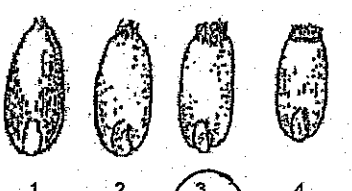
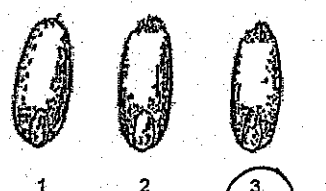
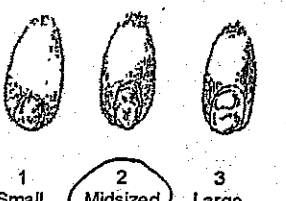
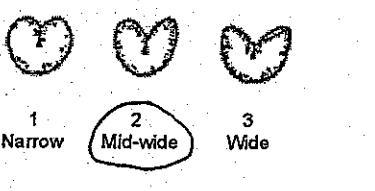
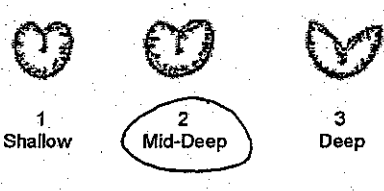


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WHEAT DESCRIPTOR ILLUSTRATIONS

Section Numbers Correspond to the Numbers of the Sections on the Form

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<p>4. EARLY PLANT GROWTH HABIT:</p>  <p>1 Prostrate 2 Intermediate 3 Erect</p>	<p>10. STEM INTERNODE X-SECTION:</p>  <p>1 Hollow 2 Semi-solid 3 Solid</p>	<p>11. SPIKE SHAPE:</p>  <p>1 Tapering 2 Oblong Strap 3 Clavate 4 Elliptical</p>	
<p>11. AWNEDNESS:</p>  <p>1 Awnless 2 Apically Awnleted 3 Awnleted 4 Awned</p>	<p>12. BEAK SHAPE:</p>  <p>1 Obtuse 2 Acute 3 Acuminate</p>		
<p>12. SHOULDER SHAPE:</p>  <p>1 Wanting 2 Oblique 3 Rounded 4 Square 5 Elevated 6 Apiculate</p>			
<p>13. SEED SHAPE:</p>  <p>1 Ovate 2 Oval 3 Elliptical</p>	<p>13. CHEEK SHAPE:</p>  <p>1 Rounded 2 Angular</p>	<p>13. BRUSH SIZE:</p>  <p>1 Small 2 Midsized 3 Large 4 Collared</p>	<p>13. BRUSH HAIR LENGTH:</p>  <p>1 Short 2 Medium 3 Long</p>
<p>13. GERM (EMBRYO) SIZE:</p>  <p>1 Small 2 Midsized 3 Large</p>	<p>13. SEED CREASE WIDTH:</p>  <p>1 Narrow 2 Mid-wide 3 Wide</p>	<p>13. SEED CREASE DEPTH:</p>  <p>1 Shallow 2 Mid-Deep 3 Deep</p>	

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Exhibit D - revised**Milling and Baking data**

Characteristic	PR 1404	Brooks	
% ash	2.11	2.02	%
% flour Yield	69.2	69.7	%
% wet gluten	28.2	34.4	%
Farinograph - % Absorption	61.6	64.1	%
Farinograph - Arrival	2.5 minutes	6.5 minutes	Minutes
Farinograph - Mixing tolerance	16 minutes	18.8 minutes	Minutes
Loaf Volume	835	985	cc
Grain texture	Satisfactory	Satisfactory	Score
Bake score	2	5	Score

Score: 1 = very poor and 5 = excellent

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Reference Number
(not to be filled in by the applicant)
Référence
(réservé aux Administrations)
Referenznummer
(nicht vom Anmelder auszufüllen)

TECHNICAL QUESTIONNAIRE
to be completed in connection with an application for plant breeders' rights

QUESTIONNAIRE TECHNIQUE
à remplir en relation avec une demande de certificat d'obtention végétale

TECHNISCHER FRAGEBOGEN
in Verbindung mit der Anmeldung zum Sortenschutz auszufüllen

1. Species/Espèce/Art Triticum aestivum L. emend Fiori et Paol.

WHEAT
BLE
WEIZEN

2. Applicant (Name and address)/Demandeur (nom et adresse)/Anmelder (Name und Adresse)

CEBECO SEEDS BV
PO BOX 10.000
5250 GA VLIJMEN - HOLLAND

3. Proposed denomination or breeder's reference
Dénomination proposée ou référence de l'obtenteur
Vorgeschlagene Sortenbezeichnung oder Anmeldebezeichnung

PR 1404

4. Information on origin, maintenance and reproduction of the variety
Renseignements sur l'origine, le maintien et la reproduction de la variété
Information über Ursprung, Erhaltung und Vermehrung der Sorte

MELCHIOR * EMU
PLANT SELECTION
LINE SELECTION

PR 1404

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5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in the Test Guidelines; please mark the state of expression which best corresponds)

Caractères de la variété à indiquer (le nombre entre parenthèses renvoie au caractère correspondant dans les principes directeurs d'examen; prière de marquer d'une croix le niveau d'expression approprié)

Anzugebende Merkmale der Sorte (die in Klammern angegebene Zahl verweist auf das entsprechende Merkmal in den Prüfungsrichtlinien; die Ausprägungsstufe, die der der Sorte am nächsten kommt, bitte ankreuzen)

Characteristics Caractères Merkmale	English	français	deutsch	Example Varieties Exemples Beispielssorten	Note
5.1 Seasonal type (26)	winter type	type hiver	Winterform	Slejpner; -	1 []
Type de développement	alternative type	type alternatif	Wechselform	Fidel; -	2 []
Wechselverhalten	spring type	type printemps	Sommerform	-; Nandu	3 [XX]
5.2. Time of ear emergence (5) (first spikelet visible on 50% of ears; quote mean date of heading of variety as well as of two well-known comparable varieties)	.....	.....	.....	.....	.....
Epoque d'épiaison (premier épillet visible sur 50% des épis; indiquer la date moyenne d'épiaison de la variété et de deux variétés comparables bien connues)	PR 1404 PRINQUAL VENTURA	3/6 2/6 30/5			
Zeitpunkt des Aehrenschiebens (erstes Aehrschen sichtbar an 50% der Aehren; mittleres Datum des Aehrenschiebens der Sorte sowie von zwei bekannten vergleichbaren Sorten angeben)					
5.3 Plant: length (stem, ear, awns and scurs; quote height of variety as well as of two well-known comparable varieties)	.....	.....	.....	.....	.....
Plante: longueur (tige, épi, barbes et arêtes; indiquer la hauteur de la variété et de deux variétés comparables bien connues)	PR 1404 PROMESSA SARINA	96 CM 90 CM 94 CM			
Pflanze: Länge (Halm, Aehre, Grannen und Spelzenspitzen; Länge der Sorte sowie von zwei bekannten vergleichbaren Sorten angeben)					

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PR 1404					
Characteristics Caractères Merkmale	English	français	deutsch	Example Varieties Exemples Beispielssorten	Note
5.4 Straw: pith in cross (10) section (halfway between base of ear and stem node below)	thin medium thick	peu épaisse moyenne épaisse	dünn mittel dick	Orestis; Remus Herzog; Nandu Forby; Furio	3[XX] 5[] 7[]
Paille: moelle en section transversale (à mi-distance entre la base de l'épi et le noeud de la tige immédiatement en-dessous)					
Halm: Füllung im Querschnitt (in der Mitte zwischen der Basis der Aehre und dem darunter liegenden Halmknoten)					
5.5 Ear: color (16) Epi: couleur Aehre: Farbe	white colored	blanc coloré	weiss gefärbt	Herzog; Furio Gallo; Prinqual	1[XX] 2[]
5.6 Awns or scurs: (14) présence	both absent	toutes les deux absentes	beide fehlend	Futur; Axona	1[]
Barbes ou arêtes: présence	scurs present	arêtes présentes	Spelzenspitzen vorhanden	Festival; Furio	2[XX]
Grannen oder Spelzen- spitzen: Vorhandensein	awns present	barbes présentes	Grannen vorhanden	Soissons; Ventura	3[]

6. Similar varieties and differences from these varieties
Variétés voisines et différences par rapport à ces variétés
Ähnliche Sorten und Unterschiede zu diesen Sorten

Denomination of similar variety	Characteristic in which the similar variety is different ^o)	State of expression of similar variety	State of expression of candidate variety
Dénomination de la variété voisine	Caractère par lequel la variété voisine diffère ^o)	Niveau d'expression pour la variété voisine	Niveau d'expression pour la variété candidate
Bezeichnung der ähnlichen Sorte	Merkmal, in dem die ähnliche Sorte unterschiedlich ist ^o)	Ausprägungsstufe der ähnlichen Sorte	Ausprägungsstufe der Kandidatensorte

SARINA

HEADING DATE
EAR LENGTH
HABITUS IN SPRING
PHENOL REACTION

EARLER
SHORTER
LESS ERECT
LIGHT

LATER
LONGER
MORE ERECT
DARKER

^o) In the case of identical states of expression of both varieties, please indicate the size of the difference/Au cas où les niveaux d'expression des deux variétés seraient identiques, prière d'indiquer l'amplitude de la différence/Sofern die Ausprägungsstufen der beiden Sorten identisch sind, bitte die Grösse des Unterschieds angeben.

-
7. Additional information which may help to distinguish the variety
Renseignements complémentaires pouvant faciliter la détermination des caractères distinctifs de la variété
Zusätzliche Information zur Erleichterung der Unterscheidung der Sorte
- 7.1 Resistance to pests and diseases
Résistance aux parasites et aux maladies
Resistenzen gegenüber Schadorganismen
- 7.2 Special conditions for the examination of the variety
Conditions particulières pour l'examen de la variété
Besondere Bedingungen für die Prüfung der Sorte
- 7.3 Other information
Autres renseignements
Andere Informationen
-

{Annex follows/
L'annexe suit/
Anlage folgt}

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) Innoseeds BV	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER PR 1404	3. VARIETY NAME PR 1404
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) Vijfhoef Laan 4 5250 GA Vijmen, Netherlands	5. TELEPHONE (Include area code) 31-73-5188603	6. FAX (Include area code) 31-73-5188600
7. PVPO NUMBER 200600268		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☐ YES ☒ NO

Netherlands

10. Is the applicant the original owner? ☐ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Cebeco Seeds BV - now Innoseeds BV -
as of 1 January 2006

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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